

Claims

1. A solid formulation of glucosamine sulphate or a mixed salt thereof, characterized in that it is comprised in an effervescent preparation.
2. A formulation according to claim 1, characterized in that the formulation comprises 500-2000 mg, preferably 750-1500 mg, glucosamine sulphate or a mixed salt thereof in a single dose.
3. A formulation according to one of the preceding claims, characterized in that it comprises a fruit acid for the improvement of the storage stability.
4. A formulation according to claim 3, characterized in that the fruit acid is hydroxylated.
5. A formulation according to claim 3 or 4, characterized in that the weight ratio between the glucosamine sulphate or a mixed salt thereof and said fruit acid is in the range of between 0.2 :1 to 5:1, preferably in the range of between 0.2:1 to 2:1.
6. A formulation according to claim 5, characterized in that the weight ratio between the glucosamine sulphate or a mixed salt thereof and said fruit acid is in the range of between 0.5:1 to 1:1.
7. A formulation according to claims 3 to 6, characterized in that the fruit acid has at least two carboxylic groups.

8. A formulation according to claims 3 to 7, characterized in that the fruit acid is citric acid.
9. A formulation according to claim 8, characterized in that the citric acid is crystalline citric acid.
10. A formulation according to claim 9, characterized in that the citric acid is anhydrous.
11. A formulation according to one of the preceding claims, characterized in that the mixed salt is a glucosamine sulphate hydrochloride.
12. A formulation according to one of the preceding claims, characterized in that the mixed salt is a glucosamine sulphate potassium chloride.
13. A formulation according to one of the preceding claims, characterized in that the formulation comprises an anti-oxidant.
14. A formulation according to one of the preceding claims, characterized in that the production method comprises the step of spraying a mixture, comprising at least glucosamine sulphate or a mixed salt thereof and a fruit acid, preferably citric acid, with water in a spray dryer prior to drying the complete formulation to a water content of equal or less than 1.5% (W/W) preferably equal or less than 0.5% (W/W).